

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-6. (canceled)

7. (new) A probe (1) to detect a level of a liquid within a boiler (10) in a household appliance, comprising:

an insulating probe plug (2) having a joint (5) at a bottom of said probe plug, said joint being adapted to couple with the boiler;

a liquid level sensor (4) extending from the bottom of said probe plug and having an end at a top of said probe plug;

a metal disc (7) coupled to the bottom of said probe plug, said disc having a connection for communicating with the probe; and

a metal member (6) extending over a top of said probe plug and in contact with said end of said level sensor, said spring having distal ends between the bottom of said probe plug and said disc and contacting an upper surface of said disc.

8. (new) The probe of claim 7, wherein said joint comprises a non-stick synthetic resin.

9. (new) The probe of claim 7, wherein said disc is coupled with said probe plug by one of screws, rivets (8), and overprinting.

10. (new) The probe of claim 7, wherein said connection comprises a metal contact (11) that is arranged to contact said disc.

11. (new) The probe of claim 7, wherein said metal member is a U-shaped spring.